

2004



Occupational Health Conference

The Williamsburg Hospitality House
Williamsburg, Virginia
June 21 - 25, 2004

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Occupational Health

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2004 NASA Occupational Health Conference

“Embracing Change in Occupational Health - Moving Towards ONE NASA”

CONFERENCE SCHEDULE

Sunday, June 20

Registration

4:00pm – 6:00pm

Monday, June 21

Continental Breakfast

7:00am – 8:00am

Registration

7:00am – 5:00pm

Professional Development Courses

The Professional Supervisor of the Audiometric

Monitoring Component of Hearing

Conservation Programs

8:00am – 12:00N

Lunch on Own

12:00N – 1:00pm

Pulmonary Function Testing in the

Occupational Setting

1:00pm – 5:00pm

Developing Environmental Health

Performance Metrics

1:00pm – 5:00pm

Welcome Reception

6:00pm – 8:00pm

Candlelight Walking Tour of Colonial Williamsburg

8:00pm – 9:30pm

Tuesday, June 22

Continental Breakfast

7:00am – 8:00am

Registration

7:00am – 5:00pm

Opening Ceremonies

8:00am – 8:30am

Plenary Session

8:30am – 12:00N

Lunch on Own

12:00N – 1:00pm

Plenary Session

1:00pm – 3:30pm

Breakouts

Health Physics

4:00pm – 6:00pm

NASA Task Force on Electronic Health

Record System

4:00pm – 6:00pm

Contracting Officer's Technical Representation

6:00pm – 8:00pm

2004 NASA Occupational Health Conference

“Embracing Change in Occupational Health - Moving Towards ONE NASA”

CONFERENCE SCHEDULE

(Continued)

Wednesday, June 23

Continental Breakfast	7:00am – 8:00am
Plenary Session	8:00am – 12:00N
Conference Luncheon	12:00N – 1:00pm
Conference Luncheon Speaker	1:00pm – 2:00pm
Breakouts	
Combined Physician/Registered Nurse	
Electronic Health Record System Update	2:00pm – 3:00pm
Cancer Cluster Investigation	3:00pm – 4:00pm
Results of Influenza High Risk Survey	4:00pm – 5:00pm
Industrial Hygiene	2:00pm – 5:00pm
Employee Assistance Program	2:00pm – 5:00pm

Thursday, June 24

Continental Breakfast	7:00am – 8:00am
Plenary Session	8:00am – 12:00N
Tour of Jamestown	12:30pm – 5:00pm
Continental Breakfast	7:00am – 8:00am
Medical Review Officer Training & Certification	8:00am – 12:00N
Lunch on Own	12:00N – 1:00pm
Medical Review Officer Training & Certification	1:00pm – 5:00pm

Friday, June 25

Continental Breakfast	7:00am – 8:00am
Plenary Session	8:00am – 12:15pm

ADJOURN PLENARY SESSION

Continental Breakfast	7:00am – 8:00am
Medical Review Officer Training & Certification	8:00am – 12:00N
Lunch on Own	12:00N – 1:00pm
Medical Review Officer Training & Certification EXAM	1:00pm – 3:00pm

ADJOURN MEDICAL REVIEW OFFICER TRAINING AND CERTIFICATION

Occupational Health

Conference Schedule

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2004 NASA OCCUPATIONAL HEALTH CONFERENCE

The Williamsburg Hospitality House - Williamsburg, Virginia

	Sunday	Monday		Tuesday	
Hour	20	21		22	
7:00AM		Registration/Sign In		Registration/Sign In	
		Continental Bkfst		Continental Bkfst	
				Fife and Drum Corps Opening	
				(Empire A/B - Second Level)	
8:00AM		<div>Prof. Dev. Course</div> <div>The Prof Supv of the Audiometric Monitoring Component of Hearing Conservation Programs</div> <div>Beth Cooper/GRC</div> <div>Richard Danielson/JSC</div> <div>Dwight Peake, MD/JSC</div> <div>(Empire A - Second Level)</div>		<div>Welcome/Opening Remarks</div> <div>Rich Williams, MD, FACS-NASA HQ</div> <div>NASA Chief Health & Medical Officer, NASA HQ</div>	
8:30AM				<div>ONE NASA - Video Address</div> <div>Sean O'Keefe, NASA Administrator</div>	
9:00AM				<div>One Team, One Journey, One NASA</div> <div>Johnny Stephenson</div>	
9:30AM				<div>NASA Lead for ONE NASA Initiative</div> <div>NASA HQ</div>	
10:00AM				<div>Fitness Break - Kris Calderon, KSC</div>	
10:30AM				<div>NASA Safe Return to Flight Plan</div> <div>Bryan O'Connor</div> <div>Assoc. Administrator</div> <div>Safety and Mission Assurance</div> <div>NASA HQ</div>	
11:00AM		<div>Break</div> <div>Hearing Conservation (Continued)</div>			
11:30AM					
12 NOON				<div>Lunch on Own</div>	
12:30PM				<div>Lunch on Own</div>	
1:00PM		<div>Prof. Dev. Course</div> <div>Pulmonary Function Testing -</div> <div>Brian Boehlech, MD, MPH</div> <div>UNC School of Medicine;</div> <div>Emily Wallace, RN, BS,</div> <div>COHN-S, EI, Inc.</div> <div>(Empire A/B - Second Level)</div>	<div>Prof. Dev. Course</div> <div>Environmental Health Performance Metrics</div> <div>Paul Esposito, CIH, CIP</div> <div>STAR Consultants, Inc.</div> <div>(Empire C - Second Level)</div>	<div>NASA Eng. And Safety Center (NESC) - Roy D. Bridges, Jr.</div> <div>Center Director, LaRC</div> <div>(Empire A/B - Second Level)</div>	
1:30PM				<div>Application of Change Management - Winning Against All Odds</div> <div>Dr. Gary Bradt</div> <div>Bradt Leadership, Inc.</div> <div>Leading interpreter of Who Moved My Cheese</div> <div>(Empire A/B - Second Level)</div>	
2:00PM				<div>Concurrent Breakout Sessions (2)</div> <div>4:00-6:00PM</div> <div><div>HP Breakout</div><div>G. Camomilli/ K. Geber</div><div>(EMPIRE C - Second Level)</div></div> <div><div>NASA Task Force on Elec. Health Record</div><div>Dr. W. Hoffler/ D. Ratliff</div><div>(Room 320)</div></div>	
2:30PM					
3:00PM		<div>Break</div>			
3:30PM		<div>Pulmonary Function Testing (Cont'd)</div>	<div>Environmental Health Performance Metrics (Cont'd)</div>		
4:00PM	<div>Registration/ Sign-in</div> <div>(4:00-6:00 PM)</div> <div>(Empire AB - Second Level)</div>				
4:30PM					
5:00PM					
5:30PM					
6:00PM			<div>Welcome Reception</div> <div>(Hospitality House Courtyard)</div>		<div>COTR Breakout Meeting</div> <div>6:00 - 8:00 PM</div> <div>A. Gettleman</div> <div>(Gloucester Room - Lobby Level)</div>
7:00PM					
8:00PM		<div>Candlelight Walking Tour of Colonial Williamsburg</div> <div>(Hospitality House Lobby)</div>			

“Embracing Change in Occupational Health

June 21 – 25, 2004

Wednesday	Thursday		Friday	
23	24		25	
Registration/Sign In	Registration/Sign In		Sign In	
Continental Bkfst	Continental Bkfst		Continental Bkfst	
(EMPIRE A/B - Second Level)	(EMPIRE A/B - Second Level)	(Room 220)	(Empire A/B - Second Level)	(Room 220)
Multilateral Medical Policy Board - HQ Org. Changes Rich Williams, MD, FACS NASA Chief Health & Medical Officer, NASA HQ	Evol. of Space Medicine in Russia Oleg Navinkov, MD, PhD Dynamac Corporation	Medical Review Officer Training & Certification American Association of Medical Review Officers	Astronaut Health Story Musgrave, MD Astronaut/Physician	Medical Review Officer Training & Certification American Association of Medical Review Officers
Occ. Health Strategic Plan Catherine Angotti, RD, LD Director, Office of Health & Medical Systems	Alignment of Federal Health Activities Scott Young, MD AHRQ		Smoking Cessation Lowell C. Dale, MD Mayo Clinic	
Fitness Break - Kris Calderon, KSC	Fitness Break - Kris Calderon, KSC		Fitness Break - Kris Calderon, KSC	
Synergy between Space & Occupational Medicine Arnauld Nicogossian, MD Dist. Research Professor	OH & EH HOT TOPICS Lawrence Stilwell Betts MD, PhD, CIH, FACOEM	Medical Review Officer Training & Certification (Cont)	OSHA Change Mgmt Emil Golias, Sr. Ind. Hyg OSHA	Medical Review Officer Training & Certification (Cont)
	Healthy People 2010 Daniel Singer, MD, MPH Dept. of Health & Human Svcs		Concluding Remarks Catherine Angotti, RD, LD Director, Office of Health & Medical Systems	Lunch on Own
Conference Luncheon (Westminster A - Lower Level)	Tour of Jamestown (Hotel Lobby)	Lunch on Own	ADJOURN CONFERENCE	Lunch on Own
Keynote Luncheon Speaker Thomas Jefferson (Westminster A - Lower Level)		Medical Review Officer Training & Certification (Cont)		
Concurrent Breakouts Sessions (3) 2:00-5:00PM Combined MD/RN Breakouts (Empire C - Second Level) Facilitator: Helen Shoemaker, MS, RN, COHN-S/CM Dr. R. Williams/Dr. W. Barry Elec. Health Record Update Dr. W. Hoffler/D. Ratliff Cancer Cluster Investigation Dr. T. Bidnick Results of Influenza High Risk Survey D. Ratliff/M. Hafizi IH Breakout (Empire A) G. Camomilli/B. Geyer EAP Breakout (Room 320) A. Gettleman				

- Moving Towards ONE NASA”



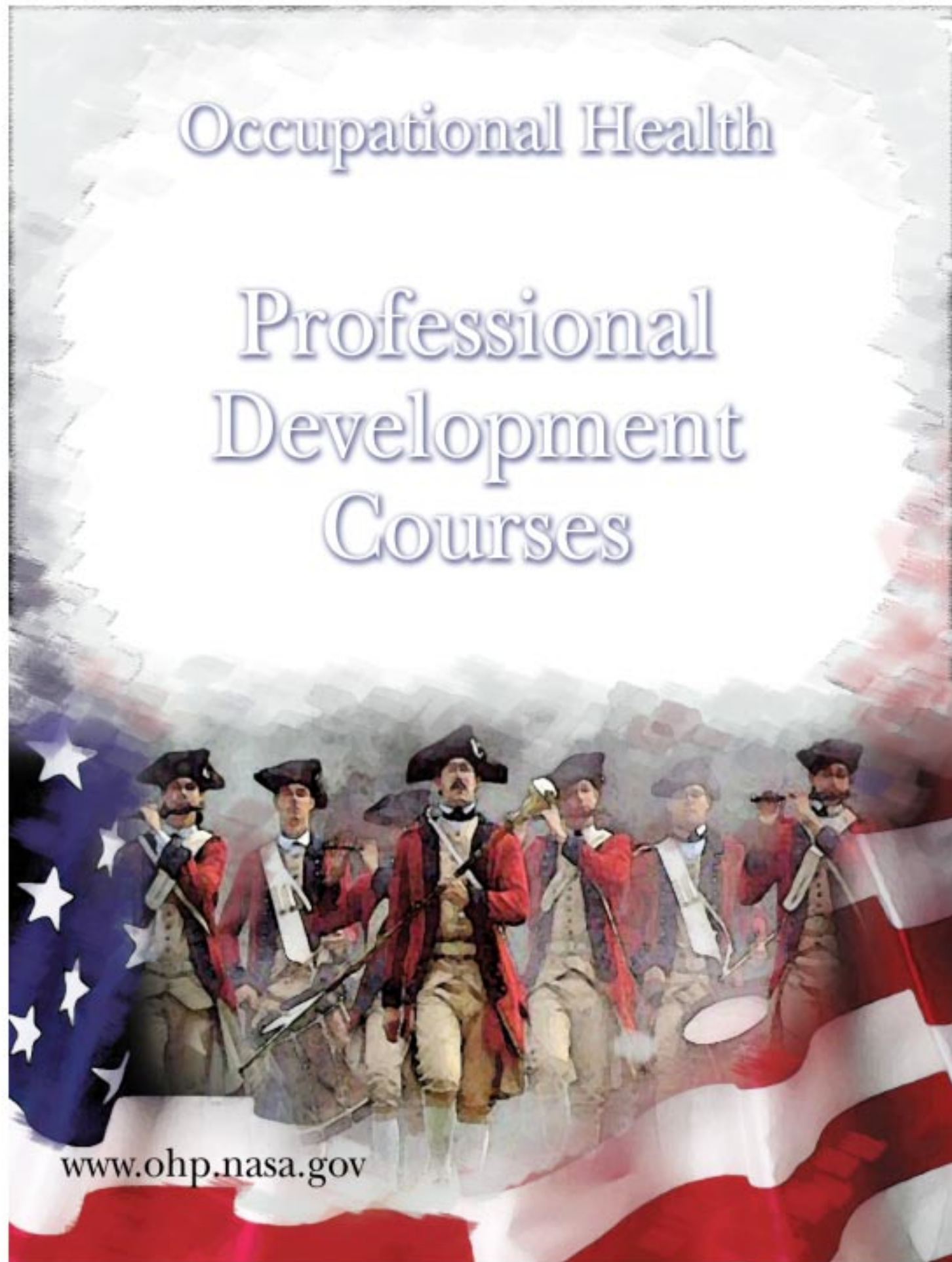
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Professional
Development
Courses

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PROFESSIONAL DEVELOPMENT COURSES MONDAY, JUNE 21

THE PROFESSIONAL SUPERVISOR OF THE AUDIOMETRIC MONITORING COMPONENT OF HEARING CONSERVATION PROGRAMS

*Instructors: Richard Danielson, PhD
Manager of Audiology and Hearing Conservation
NASA/Johnson Space Center*

*Beth A. Cooper, PE INCE.Bd.Cert.
Manager of Acoustical Testing Services
NASA/John H. Glenn Research Center*

*Dwight Peake, MD
Staff Physician - Occupational Medicine Clinic
Kelsey-Seybold
Johnson Space Center*

As recordkeeping and reporting requirements increase the complexity of hearing conservation program (HCP) management, this course is intended to offer NASA medical personnel with focused and illustrative training in hearing conservation audiometric database analysis, recordkeeping, data reporting, recommendations for employee disposition, and work-relatedness. This training is an adaptation of an 8-hour Professional Supervisor course that has been developed on behalf of the Council for Accreditation in Occupational Hearing Conservation (CAOHC). This training will consist of a comprehensive tutorial on:

- Roles and responsibilities of the HCP Professional Supervisor,
- Surviving OSHA and NASA recordkeeping regulations,
- Guidelines for audiometric baseline revision and medical referral,
- Managing cases with “problem audiograms” and determining work relatedness.

Course attendees will receive a package of materials that include a CD with desk-side briefing slides (in PowerPoint® format), reference lists, and other resource materials that clinic staff may consult regarding hearing conservation issues that arise in a clinic environment.

Learning Objectives:

- 1) Identify roles and responsibilities of Professional Supervisors of audiometric monitoring in NASA's occupational hearing conservation programs.
- 2) Recognize requirements of occupational audiometric recordkeeping regulations (e.g., from OSHA,NASA), as well as best practices of hearing prevention programs recommended by NIOSH.
- 3) Identify and implement guidelines for audiometric baseline revision and medical referral in hearing conservation audiometric programs, including recommendations regarding work-relatedness and workers' compensation.

	8:00AM – 10:00AM	Empire A Second Level
BREAK	10:00AM – 10:20AM	Empire Foyer Second Level
	10:20AM – 12:00Noon	Empire A Second Level

PULMONARY FUNCTION TESTING IN THE OCCUPATIONAL SETTING

Instructors: *Brian A. Boehlecke, MD, MSPH*
 Medical Director, University of North Carolina
 Employees' Occupational Health Clinic

Emily Wallace, RN, BS, COHN-S
Director, Occupational Health Services
El, Inc.

Pulmonary function testing can provide valuable information regarding the respiratory health of workers and can identify workers who may be experiencing adverse effects from workplace exposures. Understanding of the proper measurement techniques and the types of potential errors is essential for obtaining accurate information. Understanding normal variability and the limitations of predicted values for healthy persons is essential for proper interpretation.

Topics to be covered include:

- Proper technique in obtaining tests,
- Selection and use of normal predicted values,
- Normal variability and change over time,
- Types of impairment,
- Components of a respiratory protection program and requirements of the OSHA standard.

Learning Objectives:

- 1) Identify common errors in testing and the consequent spurious results.
- 2) Describe the differences in available predicted value sets.
- 3) Describe the normal variability of results in healthy persons.
- 4) Recognize obstructive and restrictive impairments.
- 5) Identify the key components of a respiratory protection program.

	1:00PM – 3:00PM	Empire A/B Second Level
BREAK	3:00PM – 3:20PM	Empire Foyer Second Level
	3:20PM – 5:00PM	Empire A/B Second Level

DEVELOPING ENVIRONMENTAL HEALTH PERFORMANCE METRICS

*Instructor: Paul A. Esposito, CIH, CSP
President
STAR Consultants, Inc.*

Safety and health professionals are constantly challenged by management to justify their safety and health programs, and communicate their goals and objectives. Safety and health goals and objectives are often presented to management based on subjective regulatory interpretations. As this safety data is sometimes used to justify positions and recommendations it is typically restricted to injury and illness historical data. Seldom are prospective and program evaluation data collected or used to drive corrective action plans, and sell management on these objectives, while justifying budget requests. One of the major challenges in developing the data approach is determining the meaningful prospective data that management can understand, while being simple enough that most safety and health professionals can collect and analyze the data.

The metrics defined include:

- Measures vs. Indicators,
- Leading and Lagging,
- Process and Outcome,
- Activity and Progress.

In addition, most of the metrics we have seen throughout the years are more safety, rather than industrial hygiene specific metrics. This presentation and the AIHA Manual, focuses exclusively on industrial hygiene metrics.

Learning Objectives:

- 1) Understand the metric (measurement) process.
- 2) Explore and discuss some of the metrics (measures) already presented in the publication.
- 3) Review and critique sample metrics.
- 4) Understand leading and lagging, process and outcome measures.
- 5) Differentiate between the various types of data, data sources and presentation styles successful for management.
- 6) Learn some basics about trending, and the different types of metrics.

1:00PM – 3:00PM

Empire C
Second Level

BREAK

3:00PM – 3:20PM

Empire Foyer
Second Level

3:20PM – 5:00PM

Empire C
Second Level



Occupational Health

Welcome Reception



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WELCOME RECEPTION

Monday, June 21

6:00PM – 8:00PM

Hospitality House
Courtyard

Built in a classic architectural style, The Williamsburg Hospitality House surrounds an enchanting brick courtyard adorned with flowering trees, umbrella shaded tables and a central garden – an idyllic spot for our Welcome Reception including a Colonial Balladeer. Friends and family of conference attendees are welcome to attend this event.

CANDLELIGHT WALKING TOUR OF COLONIAL WILLIAMSBURG

8:00PM – 9:30PM

Depart from Hospitality House Lobby

Be sure to wear comfortable walking shoes!

NASA guests will be greeted by professional tour guides who will each take a group of twenty persons. Guests will walk through the College of William & Mary and learn the history of the second oldest college in the United States. The group will then make their way onto the historical streets of Colonial Williamsburg where they will walk down the very road that our ancestors walked down approximately two centuries ago and get a first hand look at life in 18th century America. The tour will highlight the history of the restoration of Williamsburg and the lifestyles of its people in Colonial America. Along the way, the tour guides will also implement some folklore and interesting facts to add some extra fun to the evening before escorting the group back to the Hospitality House.

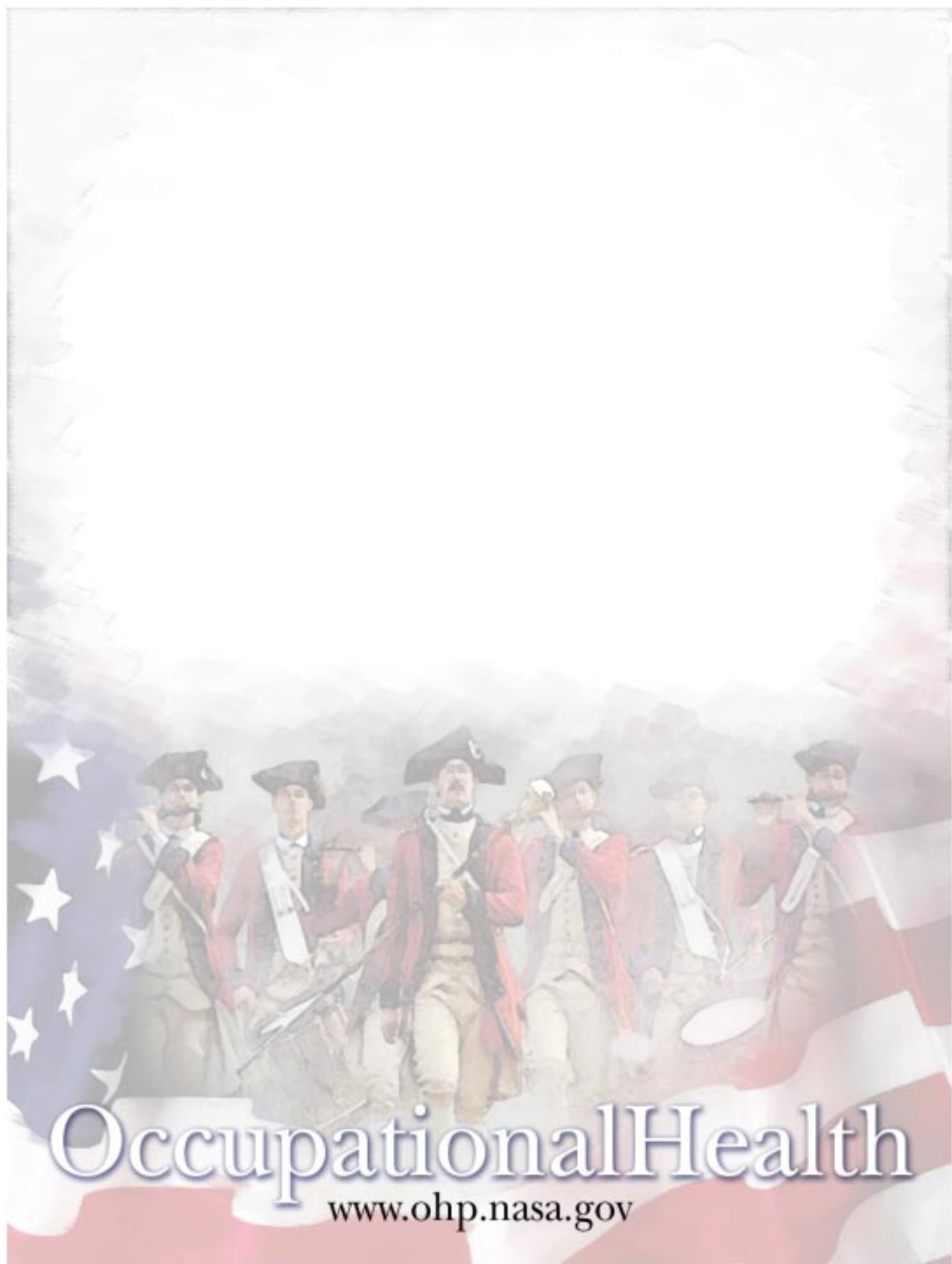


Occupational Health

Plenary Session
Tuesday
June 22



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CONTINENTAL BREAKFAST

7:00AM – 8:00AM

Empire Foyer
Second Level

**PLENARY SESSION
TUESDAY, JUNE 22**

OPENING CEREMONIES: FIFE AND DRUM CORPS

8:00AM – 8:15AM

Empire A/B
Second Level

WELCOME / OPENING REMARKS

*Presenter: Richard S. Williams, MD, FACS
NASA Chief Health and Medical Officer*

8:15AM – 8:30AM

Empire A/B
Second Level

ONE NASA

*Presenter: Sean O'Keefe
NASA Administrator*

8:30AM – 9:00AM

Empire A/B
Second Level

Video address by the NASA Administrator, Mr. Sean O'Keefe, before the NASA Occupational Health Plenary Session.

ONE TEAM, ONE JOURNEY, ONE NASA

*Presenter: Johnny Stephenson
NASA Lead for One NASA Initiative
NASA Headquarters*

This presentation is an overview of the evolution and current issues associated with NASA's Agency-wide culture change efforts. As early as 2002, the Agency's "One NASA" effort had raised a red flag regarding the need to change the Agency's culture in a few key areas. The loss of the Shuttle *Columbia* and its crew in February 2003, and the subsequent findings of the *Columbia* Accident Investigation Board (CAIB) in August 2003 had far reaching repercussions throughout NASA. Perhaps the most difficult, but necessary, challenge confronting our Agency is the call for us to address elements of our culture. This presentation will cover a number of efforts – One NASA, Safety and Mission

Success Week, the Diaz Team finding regarding the Agency-wide implications of the Board's report, the recent findings of the Mission Safety Climate and Culture Survey, and the culture change effort associated with addressing these specific survey findings important to safety assurance and overall organizational excellence.

Learning Objectives:

- 1) Describe the findings and current activities associated with One NASA.
- 2) Describe the Agency-wide themes derived from the Safety and Mission Success Week activities.
- 3) Describe the Diaz Team findings.
- 4) Describe the results of the Mission Safety Climate and Culture Survey results.
- 5) Describe the inter-relationship of the above efforts and future plans for each.

9:00AM – 10:00AM

Empire A/B
Second Level

FITNESS BREAK

Martial Arts

Led by: Kris Calderon, KSC

10:00AM – 10:20AM

Empire A/B
Second Level

NASA SAFE RETURN TO FLIGHT

Presenter: Bryan D. O'Connor
Associate Administrator
Safety and Mission Assurance, NASA Headquarters

The Office of Safety and Mission Assurance is working closely with the Office of Space Flight to return the Space Shuttle safely to flight. Across the Agency, NASA and contractor engineers are working hard to address the technical issues that came out of the Columbia Accident Investigation Board (CAIB). Among these are fixes to the External Tank foam insulation, better on-board and ground-based sensors, and a variety of damage inspection procedures. NASA is also making changes to its program and institutional organizations in the interest of better checks and balances.

Learning Objectives:

- 1) Summarize technical changes to the Shuttle for Return to Flight.
- 2) Describe organizational changes NASA is making for checks and balances.

10:20AM – 12:00N

Empire A/B
Second Level

LUNCH ON OWN

12:00N – 1:00PM

NASA ENGINEERING AND SAFETY CENTER: AN EXAMPLE OF A ONE NASA ORGANIZATION

*Presenter: Roy D. Bridges, Jr.
Center Director
NASA/Langley Research Center*

The NASA Engineering and Safety Center (NESC) was chartered in the wake of the Space Shuttle Columbia accident to serve as an Agency-wide technical resource focused on engineering excellence. The objective of the NESC is to improve safety by performing in-depth independent engineering assessments, testing, and analysis to uncover technical vulnerabilities and to determine appropriate preventative and corrective actions for problems, trends or issues within NASA's programs, projects and institutions.

The NESC organization was developed with a One NASA philosophy. It draws upon the best engineering expertise from across the Agency and includes a diverse mix of partnerships with external agencies. NESC has a management office, located at the Langley Research Center (LaRC), consisting of approximately 30-40 full-time employees. Approximately 30-50 full time engineering experts are located at their respective NASA Center but report to the NESC management office at LaRC. In addition, 150-200 experts from across the NASA Centers stand ready and available to participate in independent, in-depth, technical assessments, tests and analyses. The use of these "Ready-Experts" is negotiated with each NASA installation and the appropriate resource authority provided from the NESC as necessary. The workforce is rounded out with external organizations including other Federal agencies, national labs, universities, and expert consultants as appropriate. By engaging all NASA Centers and Headquarters in the mutual goal of increasing safety through engineering excellence, the NESC operates as a true One NASA organization.

Learning Objectives:

- 1) Describe the NASA Engineering and Safety Center.
- 2) Provide an example of a successful One NASA organization.
- 3) Describe the issues and challenges associated with forming and running a One NASA organization.
- 4) Describe results to date.

1:00PM – 2:00PM

Empire A/B
Second Level

APPLICATION OF CHANGE MANAGEMENT – WINNING AGAINST ALL ODDS

*Presenter: Gary Bradt, PhD
President and CEO
Bradt Leadership, Inc.*

Winning against all odds requires that leaders and organizations practice fundamental principles tied to success. In his entertaining, dynamic and moving presentation, Dr. Bradt demonstrates how you can apply these principles for incredible results at work and at home. You will hear inspiring stories of how others have found tremendous opportunity in the face of disaster; learned to let go of the past to create a remarkable future; and overcome fear to reach for their dreams. You will learn how to make change work for you, not against you. You will experience the power of laughter, especially in times of crisis. You will discover that the best leaders are not afraid to look in the mirror when searching for answers to their biggest problems. Finally, you will learn how to win against seemingly insurmountable odds. In the process, you will become a beacon of success, lighting a path for others to follow.

Learning Objectives:

- 1) Identify and apply the opportunities that emerge in changing situations.
- 2) Apply fundamental leadership principles to change situations.
- 3) Understand the role of fear and how it can be an asset rather than a detriment when going through change.
- 4) Manage one's thought processes to maximize a present focus when going through change.

BREAK

2:00PM – 3:30PM

Empire A/B
Second Level

3:30PM – 3:50PM

Empire Foyer
Second Level

Occupational Health

Breakouts -
Tuesday
June 22



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BREAKOUTS – TUESDAY, JUNE 22

HEALTH PHYSICS

*Moderators: Guy Camomilli, CSP, MPH
Office of Health and Medical Systems
NASA Headquarters*

*Kurt Geber, CHP, MS
Dynamac Corporation
Kennedy Space Center*

The Health Physics (HP) Breakout meeting will begin with an introduction from the NASA Senior Environmental Health Officer, Guy Camomilli, who will cover current NASA agency HP activities. The introduction will be followed by multiple speakers presenting on multiple HP related topics. All presentations will be approximately 15-20 minutes and will be followed by a short time for Questions and Answers. Following the presentations there will be a time of general discussion of current HP issues at the NASA Centers.

- 1) Pluto New Horizons Major Source Launch Contingency Planning
Rod Nickell/KSC
- 2) Space Craft Side of Radiation Safety
Mark Phillips/JPL
- 3) LaRC Emergency Preparedness Effort for a WMD Incident
Kim Merritt/LaRC
- 4) Successful Transfer of Surplus Neutron Source
Chris Blasio/GRC
- 5) Open Topic Discussion

4:00PM – 6:00PM

Empire C
Second Level

NASA TASK FORCE ON ELECTRONIC HEALTH RECORD SYSTEM

*Moderators: G. Wyckliffe Hoffler, MD
Dynamac Corporation
Kennedy Space Center*

*Duane Ratliff, MPH
Dynamac Corporation
Kennedy Space Center*

The Employee Health Record System (EHRS) Task Force will meet to discuss the overall status of the project and identify upcoming major milestones. The cornerstone of this working group meeting will be the development of an Agency applicable workflow process describing scheduled and unscheduled clinical encounters.

4:00PM – 6:00PM

Room 320
Caramel Bay

CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVES

*Moderator: Alan Gettleman, MBA
Office of Health and Medical Systems
NASA Headquarters*

6:00PM – 8:00PM

Gloucester Room
Lobby Level



Occupational Health

Plenary Session
Wednesday
June 23



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**PLENARY SESSION
WEDNESDAY, JUNE 23****MULTILATERAL MEDICAL POLICY BOARD
NASA HEADQUARTERS ORGANIZATIONAL CHANGES**

*Presenter: Richard S. Williams, MD, FACS
Chief Health and Medical Officer
NASA Headquarters*

The structure and function of the Multilateral Medical Policy Board will be discussed in the context of overall International Space Station medical operations management. Issues addressed and policies promulgated will be detailed as an example of international health care management in an extreme environment. Also, recent changes in the organization of NASA Headquarters, including the transition of the Office of the Chief Health and Medical Officer (OCHMO) to the Office of Health and Medical Systems (OHMS), will be discussed.

Learning Objectives:

- 1) Describe the international medical management system, and be aware of the processes and functions unique to the Multilateral Medical Policy Board.
- 2) Describe the mission and organizational structure of the Office of Health and Medical Systems (OHMS) as an example of a top level medical management organization engaged in the oversight of health care, generation of health care policy, and bioethical oversight of human and animal research in the unique environments of NASA.

8:00AM – 9:00AM

Empire A/B
Second Floor**OCCUPATIONAL HEALTH STRATEGIC PLAN**

*Presenter: Catherine M. Angotti, RD, LD
Director, Occupational Health
Administrative Deputy for the Chief Health and Medical Officer
NASA Headquarters*

The Office of Health and Medical Systems (OHMS) embarked upon a major strategic planning effort nearly two years ago and at the 2003 Occupational Health (OH) Annual Conference we promised to provide all OH stakeholders an opportunity for input. That promise was kept through the efforts of the Strategic Planning Committee. OHMS does not have its own Vision, but rather shares and supports the NASA Vision including the recently announced Presidential Vision for Space Exploration. OHMS does have its own Mission: Protect the mental and physical health and well-being of the NASA workforce in all environments, and its own Goal: NASA employees, at the time of their separation from the Agency, will be relatively healthier than a comparable National population for having participated in NASA's health care system.

As we prepare to enter the 4th quarter, the progress on the 2004 OH work plan has been overwhelmingly successful. Now we must look ahead to what we proposed in the 3-year strategic plan destined to carry us through 2007. How are we doing so far, are we on target, do we need to regroup?

Learning Objectives:

- 1) Summarize the progress to date in meeting objectives of the 2004 Strategic Work Plan.
- 2) Describe the OHMS strategic plans for the next three years as they relate to occupational health efforts.
- 3) Describe the role of Occupational Health in support of NASA's Exploration Vision.

9:00AM – 10:00AM

Empire A/B
Second Floor

FITNESS BREAK

Circuit Fitness

Led by: Kris Calderon, KSC

10:00AM – 10:20AM

Empire A/B
Second Level

SYNERGY BETWEEN SPACE & OCCUPATIONAL MEDICINE

*Presenter: Arnauld Nicogossian, MD, FACPM, FACP
Director, Office of International Medical Policy
George Mason University*

Throughout history explorers were considered as a special breed of individuals who contributed to knowledge and wealth and expanded the physical boundaries of the world we live in. At the time of this conference 437 individuals on 245 missions, for a total of 969 crewmembers including two paying "tourists", will have flown in space. This group comprises of individuals from over 30 countries, and though the number of persons able to travel into space is still small, it begins to look like an occupation. We still know little about "health and diseases" in the extreme environments of long-term space. However, we do have a wealth of experiences with diseases and their treatment and prevention on Earth. Our medical knowledge on Earth continues to gain momentum and based on this knowledge and experience, we have designed policies and legislation to protect the workers. The individuals supporting or engaging in spaceflight still work and reside on Earth. The principles of occupational health, a subspecialty of preventive medicine, benefit both the workers and the space traveler. These principles of prevention and care do apply to the crews during space missions. However, special considerations are given to the health hazards imposed by space technology and environments. The practical overlaps between occupational and space medicine are significant, but we should be mindful of special risks imposed by the worker's environments, which is really what occupational medicine is all about.

Learning Objectives:

- 1) Recognize the observed medical and physiological implications of human spaceflight.
- 2) Recognize the environmental (space) risk factors and their management.
- 3) Identify the potential impacts of space technology on human health.
- 4) Recognize the terrestrial and space approaches to occupational health.

10:20AM – 11:30AM

Empire A/B
Second Floor

Occupational Health

Conference
Luncheon



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CONFERENCE LUNCHEON

WEDNESDAY, JUNE 23

12:00N – 1:00PM

WESTMINSTER A
BALLROOM

KEYNOTE SPEAKER

THOMAS JEFFERSON

1:00PM – 2:00PM

WESTMINSTER A BALLROOM

Thomas Jefferson – a serious-minded freckled-faced boy of 16 from the rolling hills of Albermarle County, Virginia – first came to Williamsburg early in 1760 as a student at the College of William & Mary. In 1774, Jefferson set his pen to the first of many important documents he would write and published his views on the rights of British America. In 1779, when he was Virginia's governor, Jefferson introduced a clarion call from freedom of worship in the form of the Bill for Establishing Religious Freedom. The bill did not become law until 1786. For Jefferson, the memory of Williamsburg was forever green. His final judgment, which he passed along to a favorite grandson, was that Williamsburg had offered "the finest school of manners and morals that ever existed in America".



Occupational Health

Breakouts -
Wednesday
June 23

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Occupational Health

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BREAKOUTS

WEDNESDAY, JUNE 23

COMBINED PHYSICIAN / REGISTERED NURSE

*Facilitator: Helen Shoemaker, RN, MS, COHN-S/CM
Manager, NASA Occupational Health Support Office
Dynamac Corporation
Kennedy Space Center*

*Richard S. Williams, MD, FACS
Chief Health and Medical Officer
NASA Headquarters*

*William Barry, MD, MPH
Office of Health and Medical Systems
NASA Headquarters*

ELECTRONIC HEALTH RECORD SYSTEM UPDATE

*Presenters: G. Wyckliffe Hoffler, MD
Dynamac Corporation
Kennedy Space Center*

*Duane Ratliff, MPH
Dynamac Corporation
Kennedy Space Center*

NASA is proceeding with the development of the Electronic Health Record System (EHRS). The EHRS is intended to replace the current paper-based method of health information storage with an Agency standard information management system that will enable improved healthcare and longitudinal assessment of the NASA workforce. While the system will largely be a commercially available product, "turn-key" operation is not anticipated. The EHRS project team will present the proposed plan for implementation and discuss major obstacles that will require attention throughout the process.

2:00PM – 3:00PM

Empire C
Second Level

CANCER CLUSTER INVESTIGATION

*Presenter: Terrence A. Bidnick, MD
Medical Director
OEMI
Goddard Space Flight Center*

Cancer cluster concerns among a group of employees can present a real challenge to the Occupational Medicine professional. At the Goddard Space Flight Center (GSFC), such a situation was assessed by the on-site health and safety staff. Dr. Bidnick will present the methodology used and lessons learned including building and managing the teams, developing strategies, use of external expertise, analysis of health outcomes, risk communication, and results.

3:00PM – 4:00PM

Empire C
Second Level

RESULTS OF INFLUENZA HIGH RISK SURVEY

*Presenters: Mae Hafizi, RN, MS, LCRM
Dynamac Corporation
Kennedy Space Center*

*Duane Ratliff, MPH
Dynamac Corporation
Kennedy Space Center*

The results and analysis of the Influenza High Risk Survey data will be discussed. The survey was distributed to the employees who received the Influenza Vaccination during the Fiscal Year 2004 campaign. We will further describe the challenges and opportunities ahead with next year's campaign. The high risk survey was based on the current Center for Disease Control and Prevention (CDC) recommendations for population at risk for severe illness.

4:00PM – 5:00PM

Empire C
Second Level

INDUSTRIAL HYGIENE

*Moderators: Guy Camomilli, CSP, MPH
Office of Health and Medical Systems
NASA Headquarters*

*Bart Geyer, CIH, CSP
Dynamac Corporation
Kennedy Space Center*

The Industrial Hygiene (IH) Breakout session will begin with an introduction from the NASA Senior Environmental Health Officer, Guy Camomilli, who will cover current NASA Agency IH activities. The introduction will be followed by multiple speakers presenting on multiple IH related topics. All presentations will be approximately 15-25 minutes and will be followed by a short time for Questions & Answers. Following the presentations there will be a time of general discussion of current IH issues at the NASA Centers.:

1. NASA Agency Codes Q, J and Z Center Evaluation Overview and Panel Discussion
Guy Camomilli/HQ, Art Lee/HQ, and Mike McNeil/HQ
2. KSC USA OSHA VPP Efforts and Being an IH Special Government Employee (SGE)
Sherri Nickell/KSC
3. JSC's AIHA Accredited Industrial Hygiene Laboratory
Dawn Fadner/JSC
4. Dealing with Hurricane Isabel from an EH Perspective
Carter Ficklen/LaRC
5. NASA OH Website Demonstration
Bart Geyer/OH Support Office, KSC
6. Funding Asbestos and Lead Abatement Projects at Glenn Research Center
Christine Greenwalt/GRC
7. Proactive IH Efforts at Ames and an EH Website Demonstration
David King/ARC
8. Shuttle Columbia Recovery – The IH Involvement
Gary Bergstrom/KSC
9. Open Topic Discussion

2:00PM – 5:00PM

Empire A

EMPLOYEE ASSISTANCE PROGRAM

*Moderator: Alan Gettleman, MBA
Office of Health and Medical Systems
NASA Headquarters*

The NASA Employee Assistance Professionals (EAP)s will provide an update on any evidence of increased levels of stress within the Agency in the return-to-flight process. The EAP quality assurance initiative will be discussed based upon the first set of Center review results. The EAP lessons learned from the Mars Spirit and Opportunity missions will be updated. A status of Critical Incident Stress Management (CISM) Center policies and training will be presented, including a discussion on EAP involvement in potential workplace violence plans.

2:00PM – 5:00PM

Room 320
Caramel Bay

An illustration of a group of Revolutionary War soldiers marching forward. They are wearing red coats, white breeches, and black tricorn hats. Some are carrying rifles, and one is playing a drum. The background features a large American flag with stars and stripes. The overall style is painterly and patriotic.

Occupational Health

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Occupational Health

Plenary Session
Thursday
June 24

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Occupational Health

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CONTINENTAL BREAKFAST

7:00AM – 8:00AM

**Empire Foyer
Second Level**

PLENARY SESSION THURSDAY, JUNE 24

EVOLUTION OF SPACE MEDICINE IN RUSSIA

*Presenter: Oleg Navinkov, MD, PhD
Dynamac Corporation
Kennedy Space Center*

This presentation is an overview of the evolution of Russian space medicine. Before we can extend the presence of humans in the harsh environment of space, we must have a comprehensive understanding of how to sustain a healthy, safe, and productive condition for long periods of time. Research in human life sciences is critical. We must understand the physiological and psychological impact of existing in space and develop appropriate countermeasures for survival. The design of effective life support systems and the development of operational procedures that make the most of human performance are of highest priority. Food, clothing, and hygiene capabilities must be provided for and clear-cut radiation protection measures must be in place. We must select the right candidates for space flight and learn to operate systems and spacecraft for extended periods of time. We need to be responsible for crewmembers' health and have the capability to provide medical support, including emergency medical support, during all stages of a mission. We need to have the capability to carry people and equipment into space and to return them safely.

Learning Objectives:

- 1) Understand the evolution of the Russian space research program (ground experiments and research, in-flight research).
- 2) Describe the structure of Russian medical support systems of manned space flight.
- 3) Describe Russian launch and landing medical support system.
- 4) Describe Russian in-flight crew medical monitoring system.

8:00AM – 9:00AM

**Empire A/B
Second Floor**

ALIGNING HEALTH ACTIVITIES AT THE FEDERAL LEVEL – A REVIEW OF AGENCY FOR HEALTHCARE RESEARCH AND QUALITY (AHRQ) ACTIVITIES

*Presenter: Scott Young, MD
Agency for Healthcare Research and Quality
Health and Human Services*

The Agency for Healthcare Research and Quality (AHRQ) is the Department of Health and Human Services (HHS) component with lead responsibility for improving health care safety, quality, efficiency and effectiveness. The Agency's mission is to conduct and sponsor research that will improve the outcomes and quality of health care, reduce costs, address patient safety and medical errors, and broaden access to effective services. Agency sponsored research and demonstrations address issues of organization, delivery, financing, utilization, patient and provider behavior, quality, outcomes, effectiveness and cost. It evaluates both clinical services and the system in which these services are provided. It provides information about the cost of care, as well as its effectiveness, outcomes, efficiency, and quality. It includes studies of the structure, process, and effects of health services for individuals and populations. It addresses both basic and applied research questions, including fundamental aspects of both individual and system behavior, and the application of interventions in practice settings. Of increasing importance is the impact of Health Information Technology (HIT) on the quality and safety of healthcare. The discussion will describe the present and planned AHRQ activities as well as the agency's efforts to align programming with other public and private efforts.

Learning Objectives:

- 1) Recognize the present and future of AHRQ Quality and Safety Research.
- 2) Recognize the AHRQ future HIT initiatives.
- 3) Identify the dissemination methods utilized by AHRQ regarding research findings.
- 4) Recognize AHRQ's impact on delivery of care on both the individual and population level.

9:00AM – 10:00AM

Empire A/B
Second Floor

FITNESS BREAK

Dance

Led by: Kris Calderon, KSC

10:00AM – 10:20AM

Empire A/B
Second Level

HOTTEST IN HOT TOPICS IN OCCUPATIONAL AND ENVIRONMENTAL HEALTH

*Presenter: Lawrence Stilwell Betts, MD, PhD, CIH, FACOEM
President
Medical and Scientific Integrations and Applications in
Occupational and Environmental Medicine, Toxicology, and
Industrial Hygiene*

Current issues in occupational and environmental health will be discussed in the context of exposures and methods of control. Three, perhaps four, HOT TOPICS involving colorless, odorless, and tasteless “major health concerns” that are extremely germane to everyday life and health—and the practice of the various aspects of occupational and environmental health (both science and medicine)—will be presented in an interactive forum. The first of these health concerns is ubiquitous, but its presence is significant when restricted to confined spaces or buildings. The second may be found in confined spaces or buildings, but may also be associated with vehicles, machinery, and more!! The third of these salient hot topics is of huge proportions with respect to human activities and potential exposures in many occupational and environmental settings. The fourth one isn’t really associated with structures or buildings at all and is included just for its flavor in human activities!

Learning Objectives:

- 1) List three current “exposure-related” issues in occupational and environmental medicine.
- 2) Identify the sources and effects of these exposures on people—and how you practice occupational health.
- 3) Develop reasonable plans for assessing and controlling these exposures.

10:20AM – 11:15AM

Empire A/B
Second Floor

HEALTHY PEOPLE 2010 AND RELATED FEDERAL HEALTH INITIATIVES – THE OCCUPATIONAL HEALTH CONNECTION

*Presenter: Daniel Singer, MD, MPH
Sr. Clinical Advisor
Office of Disease Prevention and Health Promotion
Department of Health and Human Services*

The Department of Health and Human Services (HHS) has several new programs in occupational health, especially in the field of worksite health promotion. These programs come directly from *HealthierUS* and *Steps to a HealthierUS*, which are health initiatives of President Bush and Secretary Thompson, respectively. These new health initiatives are supported by *Healthy People 2010*, the national health agenda. *Healthy People 2010* contains a chapter on occupational safety and health, as well as numerous objectives in other chapters which are directly related to worksite health promotion. This session will describe *HealthierUS*, the President's health and fitness agenda; *Steps to a HealthierUS*, Secretary Thompson's prevention initiative; and their relationship to *Healthy People 2010*. Discussion will include the rationale for worksite health promotion and the new federal programs which seek to develop the science of worksite health promotion and enhance its dissemination to public and private employers. Resources will be identified to assist those responsible for planning worksite based health programs.

Learning Objectives:

- 1) Recognize the role of Healthy People 2010 in establishing occupational safety and health objectives.
- 2) Describe the *HealthierUS* and *Steps to a HealthierUS* initiatives.
- 3) Recognize the potential of worksite health promotion programs to control health expenditures.
- 4) Identify major federal initiatives around worksite health promotion, including the Healthier Worksite Initiative, Steps to a HealthierUS Workforce, and HealthierFeds

11:15AM – 12:15PM

Empire A/B
Second Floor

Occupational Health

Tour
of
Jamestown

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TOUR OF JAMESTOWN

(with box lunch)

**Meet bus in front of Hospitality House
at 12:30PM.**

**Will return to hotel
approx. 5:00PM**

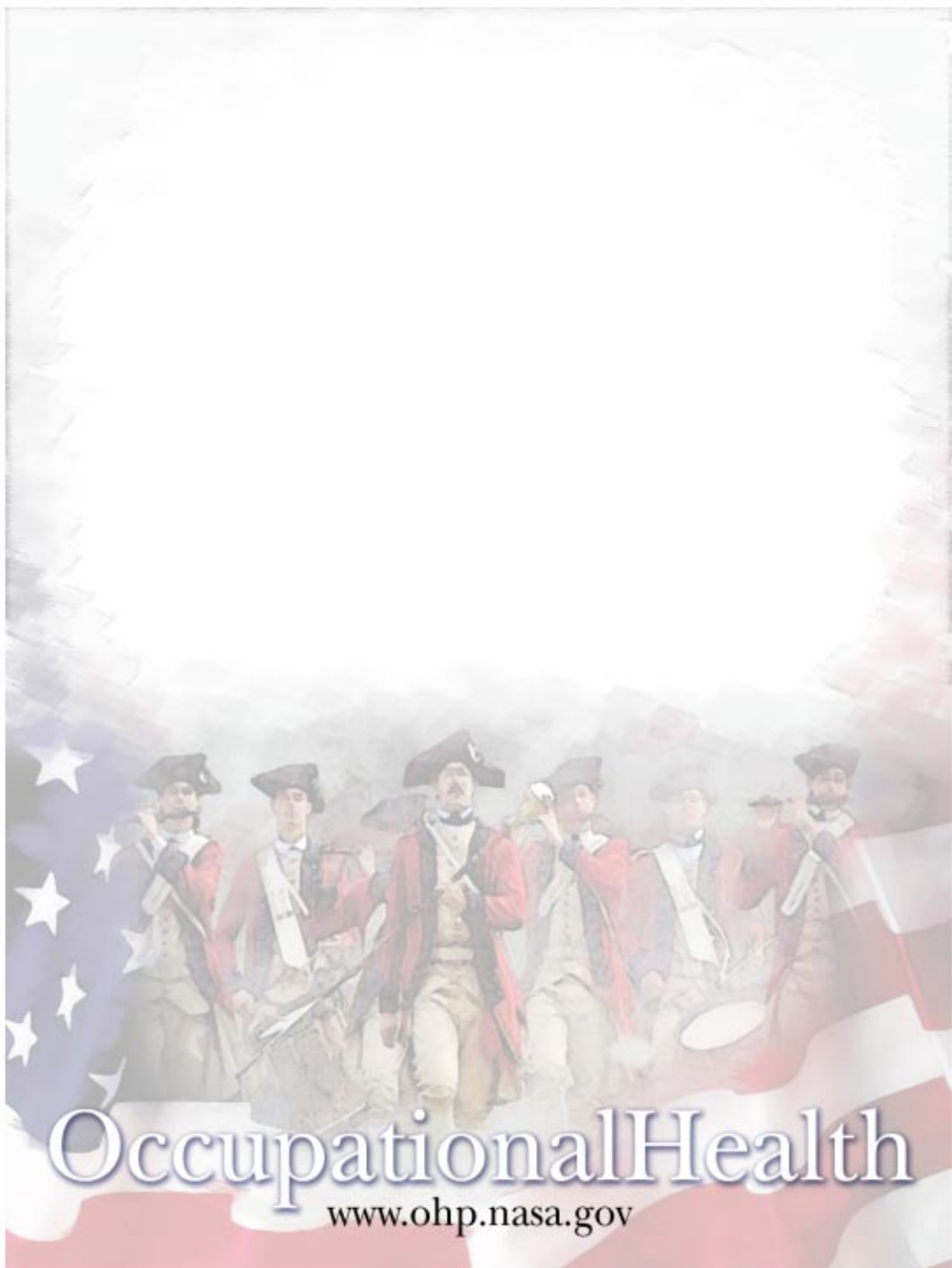
Experience 17th Century America as you travel back in time of the first settlers making that historic step on the sands of the land that would later become known as America. Tour the indoor galleries to see original artifacts and exhibits from the settlers and Indians alike. Costumed interpreters share the struggles, challenges and accomplishments of these early settlers and demonstrate daily life and early crafts from America's first permanent settlement. See the woodland world of the Powhatan Indians and re-creation of Fort James. Replicas of the Susan Constant, Discovery and Godspeed, the three ships that brought the settlers to this land, are docked here. "Climb Aboard" and imagine the living conditions experienced by these settlers.



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Medical Review Officers Training & Certification

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MEDICAL REVIEW OFFICER (MRO) TRAINING AND CERTIFICATION

(Special CME Program)

THURSDAY, JUNE 24

*Instructor: Theodore F. Shults, MS, JD
Chairperson
American Association of Medical Review Officers*

This highly acclaimed training series provides physicians with the technical, legal and business information, procedures and guidance to act as Medical Review Officers (MRO) in Federally regulated and private sector workplace drug and alcohol testing programs. MRO Certification is a valuable credential in occupational medicine and is required by some state drug testing laws and the U.S. Department of Transportation (DOT).

Training	8:00AM – 10:00AM	Room 220
Break	10:00AM – 10:20AM	Empire Foyer Second Level
Training	10:20AM – 12:00N	Room 220
Lunch on Own	12:00N– 1:00PM	
Training	1:00PM – 2:30PM	Room 220
Break	2:30PM – 2:50PM	Empire Foyer Second Level
Training	2:50PM – 5:00PM	Room 220



MEDICAL REVIEW OFFICER (MRO) TRAINING AND CERTIFICATION

(Special CME Program)

FRIDAY, JUNE 25

*Instructor: Theodore F. Shults, MS, JD
Chairperson
American Association of Medical Review Officers*

This highly acclaimed training series provides physicians with the technical, legal and business information, procedures and guidance to act as Medical Review Officers (MRO) in Federally regulated and private sector workplace drug and alcohol testing programs. MRO Certification is a valuable credential in occupational medicine and is required by some state drug testing laws and the U.S. Department of Transportation (DOT).

Training	8:00AM – 10:30AM	Room 220
Break	10:30AM – 10:50AM	Empire Foyer Second Level
Training	10:50AM – 12:00N	Room 220
Lunch on Own	12:00N– 1:00PM	
EXAM	1:00PM – 3:00PM	Room 220

AJOURN

Occupational Health

Plenary Session
Friday
June 25

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Occupational Health

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CONTINENTAL BREAKFAST

7:00AM – 8:00AM

Empire Foyer
Second Level

**PLENARY SESSION
FRIDAY, JUNE 25**

SPACE MEDICINE: PERSPECTIVES OF A THIRTY-YEAR ASTRONAUT

*Presenter: Story Musgrave, MD
NASA Astronaut*

- The History of NASA Space Medicine as Viewed by the Patient.
- The Current “State of the Union”.
- The Future Challenges.
- Objectives and Goals:
 - 1) Recognize the good and the bad of the past, the victories and the defeats.
 - 2) Recognize who we are today, who we would like to be tomorrow and ways to get there.
 - 3) Identify future space horizons and prepare to support those inherent challenges.

8:00AM – 9:30AM

Empire A/B
Second Level

**FACILITATING HEALTH BEHAVIOR CHANGE:
TOBACCO USE INTERVENTION AS A MODEL**

*Presenter: Lowell C. Dale, MD
Associate Director of
Educational Programs for the
Nicotine Dependent Center
Mayo Clinic*

Change is difficult. Changing a health behavior can be especially challenging. Almost 25% of the United States adult population smoke cigarettes. Smoking causes 435,000 deaths every year, including at least 35,000 deaths from second-hand smoke exposure. The costs to society in the form of health care expenditures and lost productivity are in the billions of dollars annually. Almost 20 million people try to stop smoking in a given year but less than 10% are successful in changing this behavior. Change *is* difficult.

The worksite can provide an extremely effective environment for effecting behavior change, especially as it relates to tobacco use. Creating a worksite that encourages abstinence from tobacco and offers supportive programs can facilitate the individual's efforts at making and maintaining that change.

Change occurs when motivation to change is high. Motivation is high when the individual is "ready, willing and able" to make that change. Motivational Interviewing is a style of counseling that incorporates empathy, question asking and reflective listening as a way for individuals to explore their ambivalence, decrease their resistance and increase their motivation to change a behavior. Simple skills such as reflective listening, decisional balance and scaling of importance and confidence can enhance the effectiveness of the interventionist in facilitating the individual's progress toward change. Confidence (self-efficacy) in the ability to change can be increased through programs that offer counseling services via face-to-face interactions, telephone quitlines or worksite group cessation programs and encourage use of medications to provide withdrawal symptom relief. A tobacco-free environment that minimizes the cues and triggers to relapse back to tobacco use will also increase the likelihood of successful behavior change.

Change *is* difficult, but *is* attainable, given the appropriate skills and support.

Learning Objectives:

- 1) Outline the significance of tobacco use on the health of individuals and the impact its use can have on the worksite.
- 2) Summarize how Motivational Interviewing can be used to facilitate change in tobacco use and other adverse health behaviors.
- 3) Describe how worksite programs that incorporate motivational interviewing and other interventions can alter tobacco use and other adverse health behaviors among its employees.
- 4) Use Decisional Balance and Scaling of importance and confidence to facilitate behavior change.
- 5) List three key components of an effective tobacco intervention program within a worksite setting.

9:30AM – 10:30AM

Empire A/B
Second Level

FITNESS BREAK

Yoga

Led by: Kris Calderon, KSC

10:30AM – 11:50AM

Empire A/B
Second Level

OSHA CHANGE MANAGEMENT

*Presenter: Emil Golias, MPH
Sr. Industrial Hygienist
OSHA Health Response Team*

To enhance compliance programs, with the intent of reducing employee injuries and illnesses in the workplace, OSHA has embarked on several missions where it works closely with academia, professional groups and industry to improve safety and health in the workplace. Alliances are being formed to improve safety and health in various industries. Electronic e-tools and information pages are being developed by industry representatives and OSHA personnel to provide employers and employees information on recognized hazards and offer feasible solutions to eliminate these hazards. OSHA is continuing to work with industry on Voluntary Protection Programs (VPP) and alliances with professional organizations such as AIHA, ACOEM, and AAOHN. OSHA has established and works with expanded training centers all across the United States to enhance the safety and health training available to employers and employees. Compliance personnel and all other OSHA employees are focusing on professional certifications to improve the quality of services OSHA can provide to the community. A large effort has been made to provide information through the internet with the OSHA website as a primary resource for workplace hazards and abatements. OSHA has also initiated several new programs called Quickstart and MyOSHA to provide information to the safety and health community.

Learning Objectives:

- 1) Recognize how OSHA has enhanced the effectiveness of its compliance programs by teaming academia, professional groups and industry to improve safety and health in the workplace.
- 2) Recognize the role that OSHA partnerships play, such as VPP, in improving worker safety and health.
- 3) Improve attendees' working knowledge of the OSHA website such as the e-tools and MyOSHA initiatives.

10:50AM – 11:45AM

Empire A/B
Second Level

CONCLUDING REMARKS

*Presenter: Catherine M. Angotti, RD, LD
Director, Occupational Medicine
Administrative Deputy for the Chief Health and Medical Officer
NASA Headquarters*

11:45AM – 12:15PM

Empire A/B
Second Level

ADJOURN CONFERENCE



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Accreditation

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ACCREDITATION

PHYSICIANS:

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of South Florida College of Medicine and NASA Office of Health and Medical Systems. The University of South Florida College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of South Florida College of Medicine designates the three pre-conferences for a maximum of 3.5 Category 1 credits for each pre-conference and the main conference for a maximum of 22.25 Category 1 credits towards the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

NURSES:

The pre-conference workshops for 4.4 contact hours each and the main conference for 26.7 contact hours is provided by the University of South Florida College of Nursing, which is accredited as a provider of continuing education in nursing by the American Nurses Credentialing Center's Commission on Accreditation. Each nurse should claim only those hours of credit that he/she actually spent in the educational activity.

PSYCHOLOGISTS:

The University of South Florida College of Medicine is approved by the American Psychological Association to offer continuing education for psychologists. The three pre-conference workshop activities are offered for up to 3.5 hours of continuing education credit and the main conference activity is offered for up to 22 hours of continuing education credit. The University of South Florida College of Medicine maintains responsibility for the educational integrity of the program.

INDUSTRIAL HYGIENISTS:

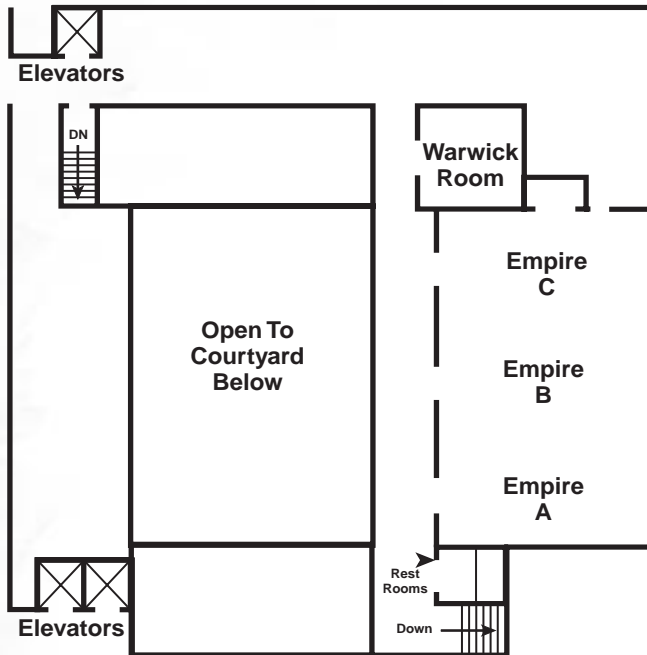
The American Board of Industrial Hygiene (ABIH) has approved Certified Industrial Hygienist (CIH) Certification Maintenance (CM) points for the NASA Occupational Health Conference. The 3 pre-conference professional development courses are all approved for .5 CM points. If two are attended, 1 CM point will be awarded for the day. The main conference was approved for 2.5 CM points, allowing a CIH to accumulate a maximum of 3.5 pts for attending the entire week's sessions. The ABIH approval number for both events is 04-1265.

Occupational Health

Hotel Meeting Space Floor Plan

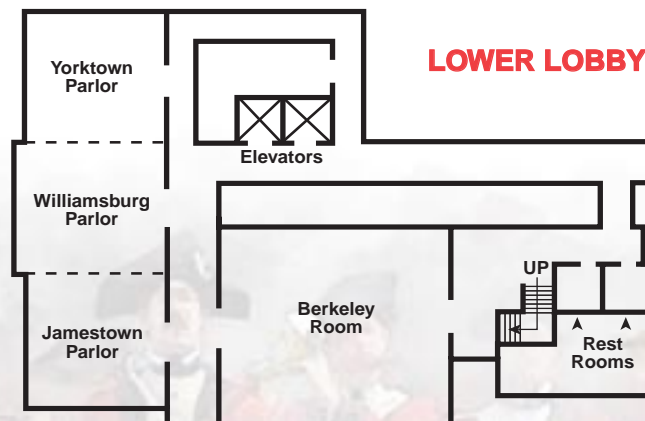
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SECOND FLOOR

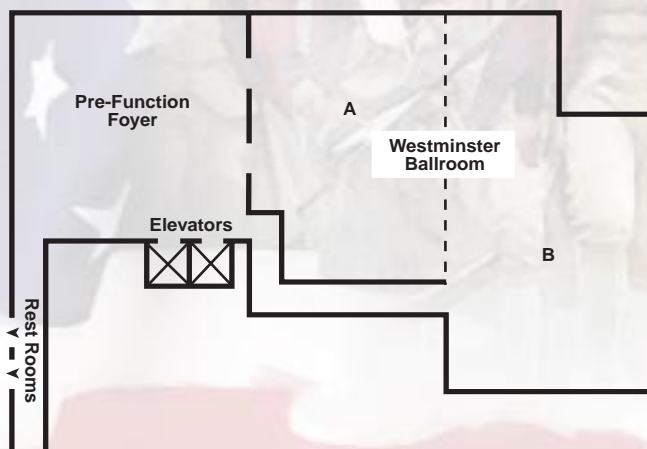


WILLIAMSBURG HOSPITALITY HOUSE FLOOR PLAN

LOWER LOBBY

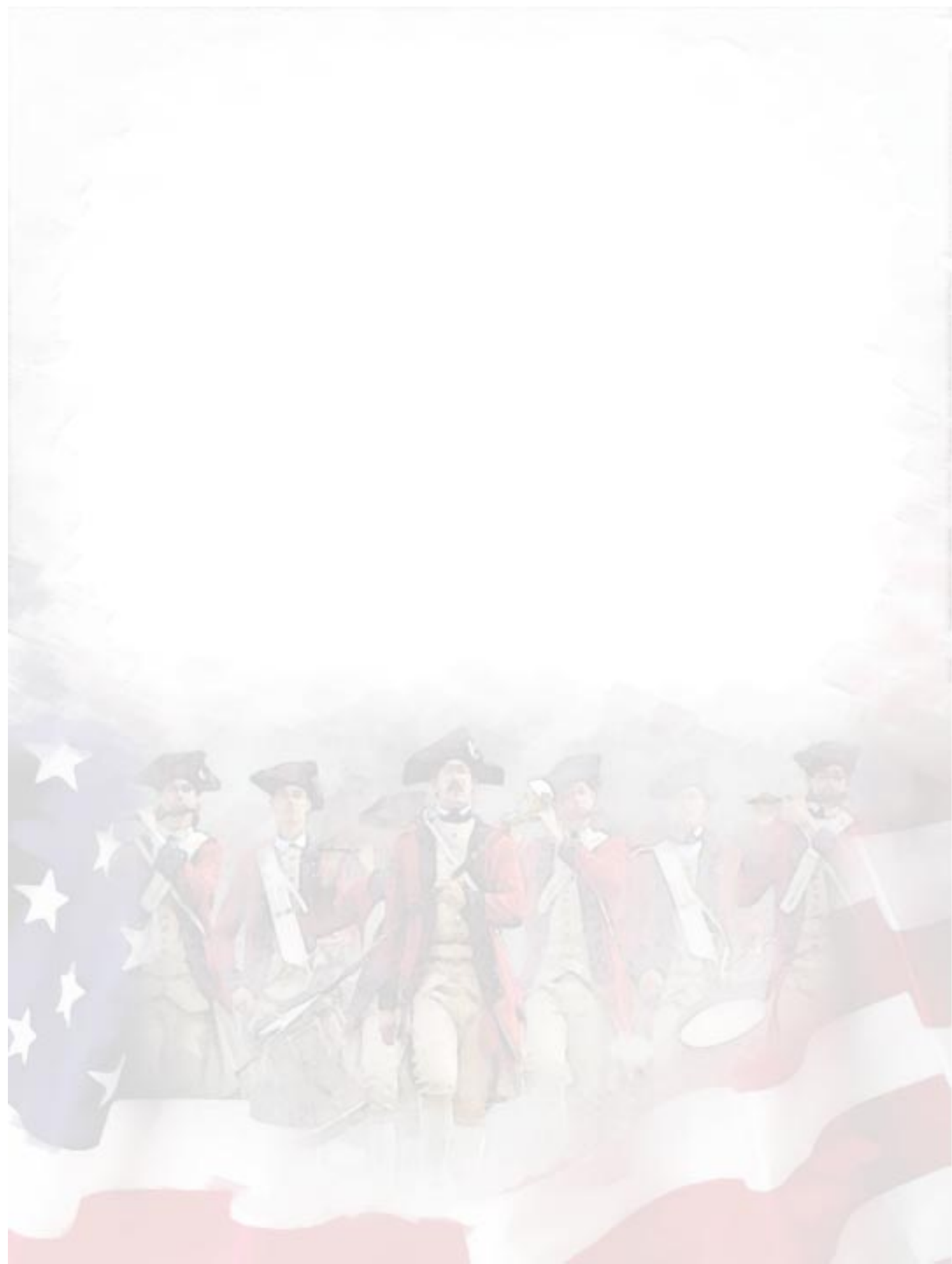


LOWER LEVEL



NOTES







2004
Occupational Health Conference

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